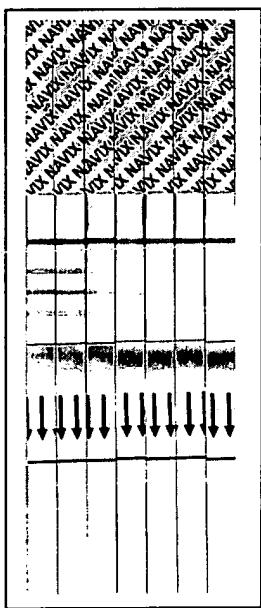


Figure 1: VecTestTM Panel Assay Strips

MALARIA

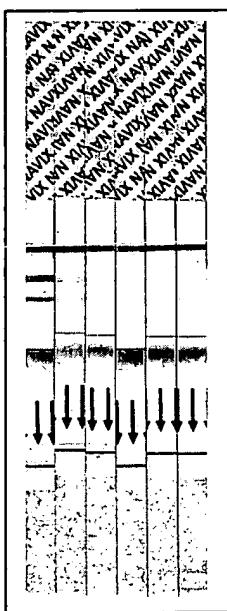
Sporozoite Antigens



1 2 3 4 5 6 7

DENGUE/FLAVIVIRUS

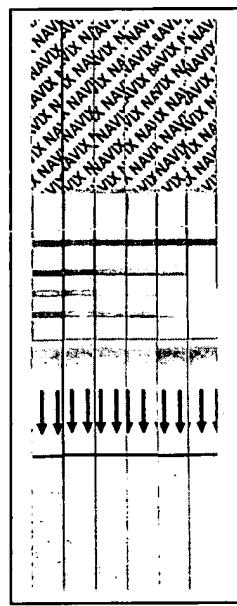
Antigens



1 2 3 4 5 6

ENCEPHALITIS

Antigens

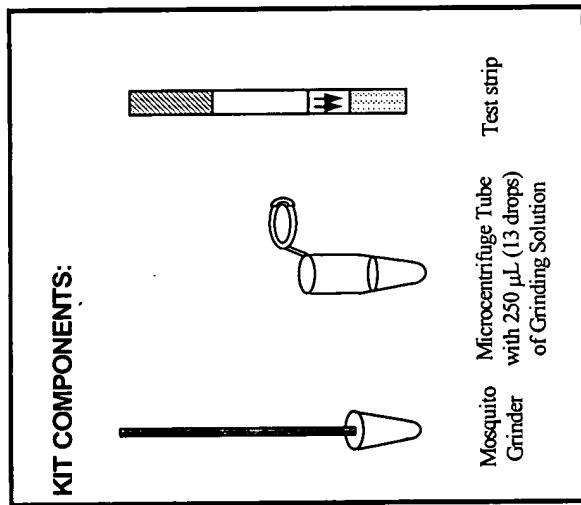
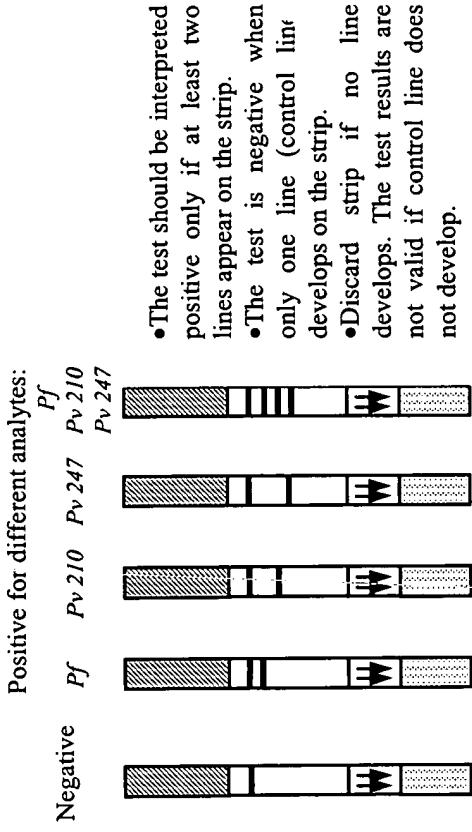


1 2 3 4 5 6

Figure 2

VecTest™

INTERPRETATION OF RESULTS:



MALARIA Sporozoite Antigen Panel Assay

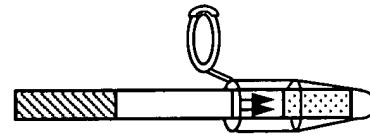
- *Plasmodium falciparum*
- *Plasmodium vivax* 210
- *Plasmodium vivax* 247

Store at room temperature

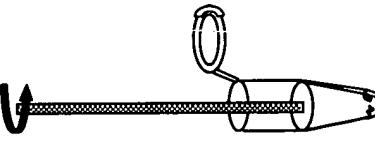
FOR INVESTIGATIONAL USE ONLY

NAVIX
Medical Analysis Systems, Inc.
524 Flynn Road, Camarillo, CA 93012

→ REMOVE THE GRINDER, PLACE THE DIPSTICK IN THE SAMPLE TUBE AS SHOWN IN THE FIGURE



→ HOMOGENIZE SAMPLE →



→ PREPARE MOSQUITOES FOR TEST →



PLACE MOSQUITO PARTS (HEAD AND THORAX) INTO THE GIVEN TUBES WITH 250 µL (13 DROPS) OF GRINDING SOLUTION



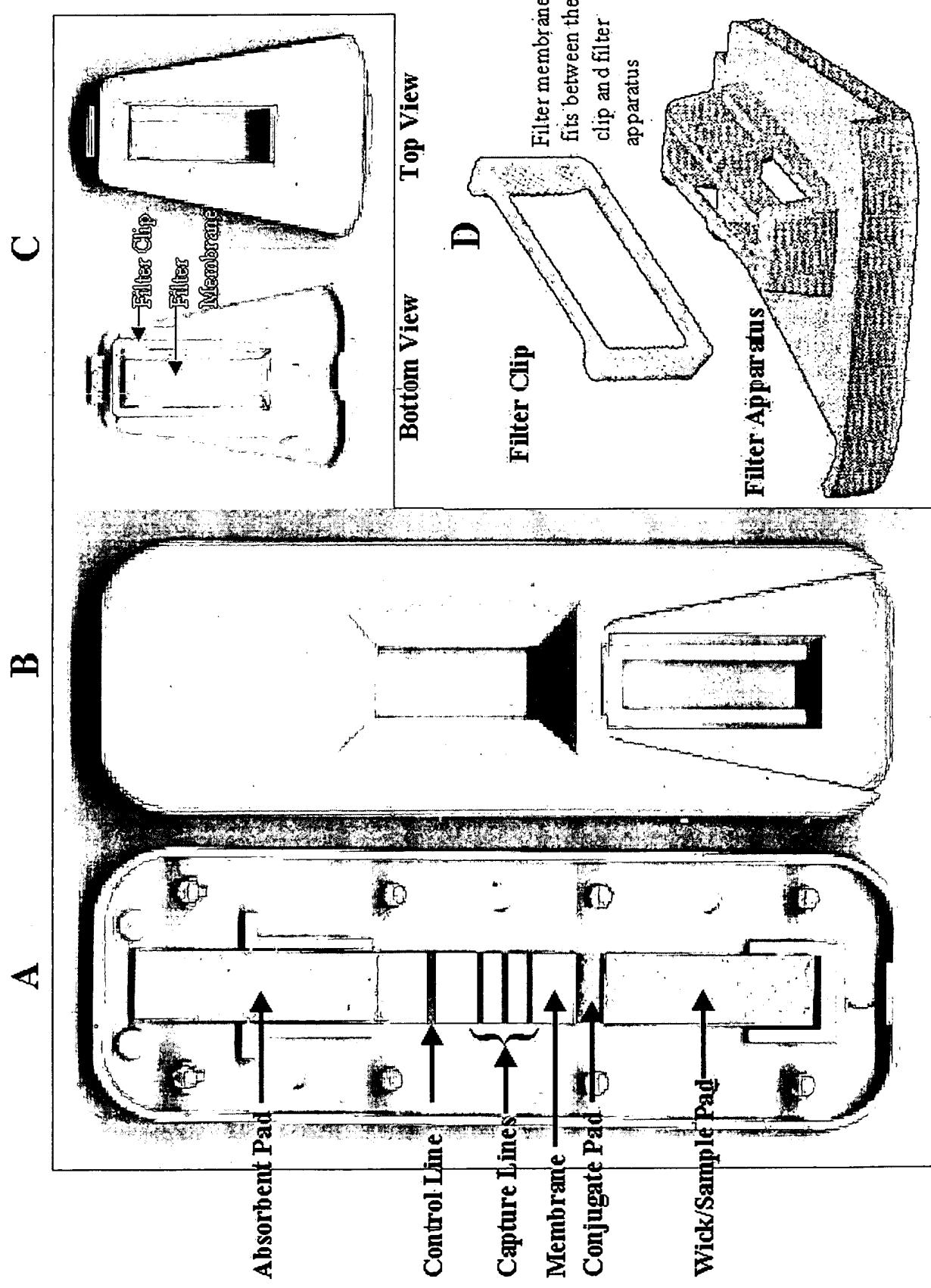
Signal pattern:

Control →
Pf →
Pv 210 →
Pv 247 →

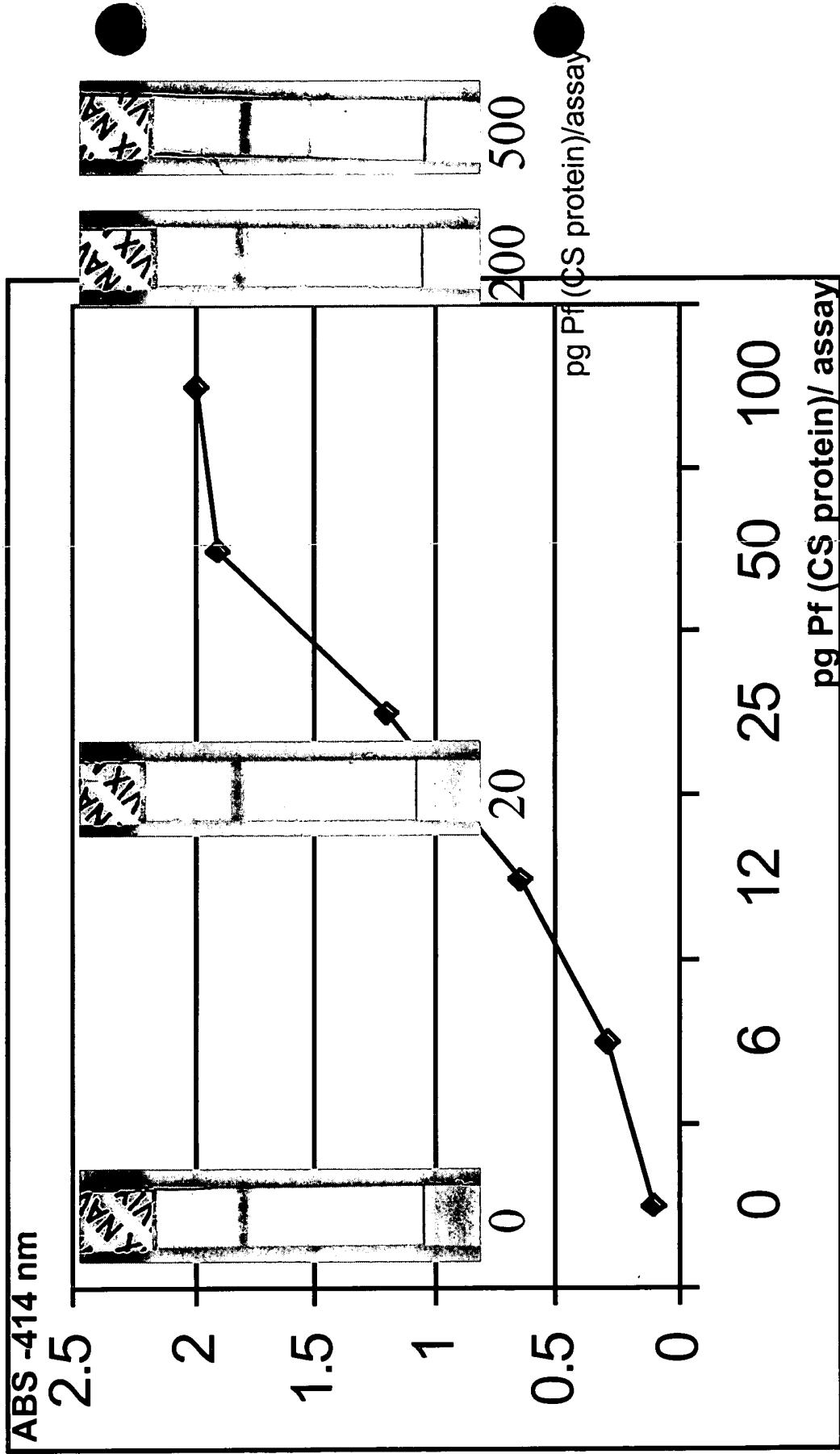
Place your test strip in the box for comparison

WAIT 15 MINUTES BEFORE READING RESULTS

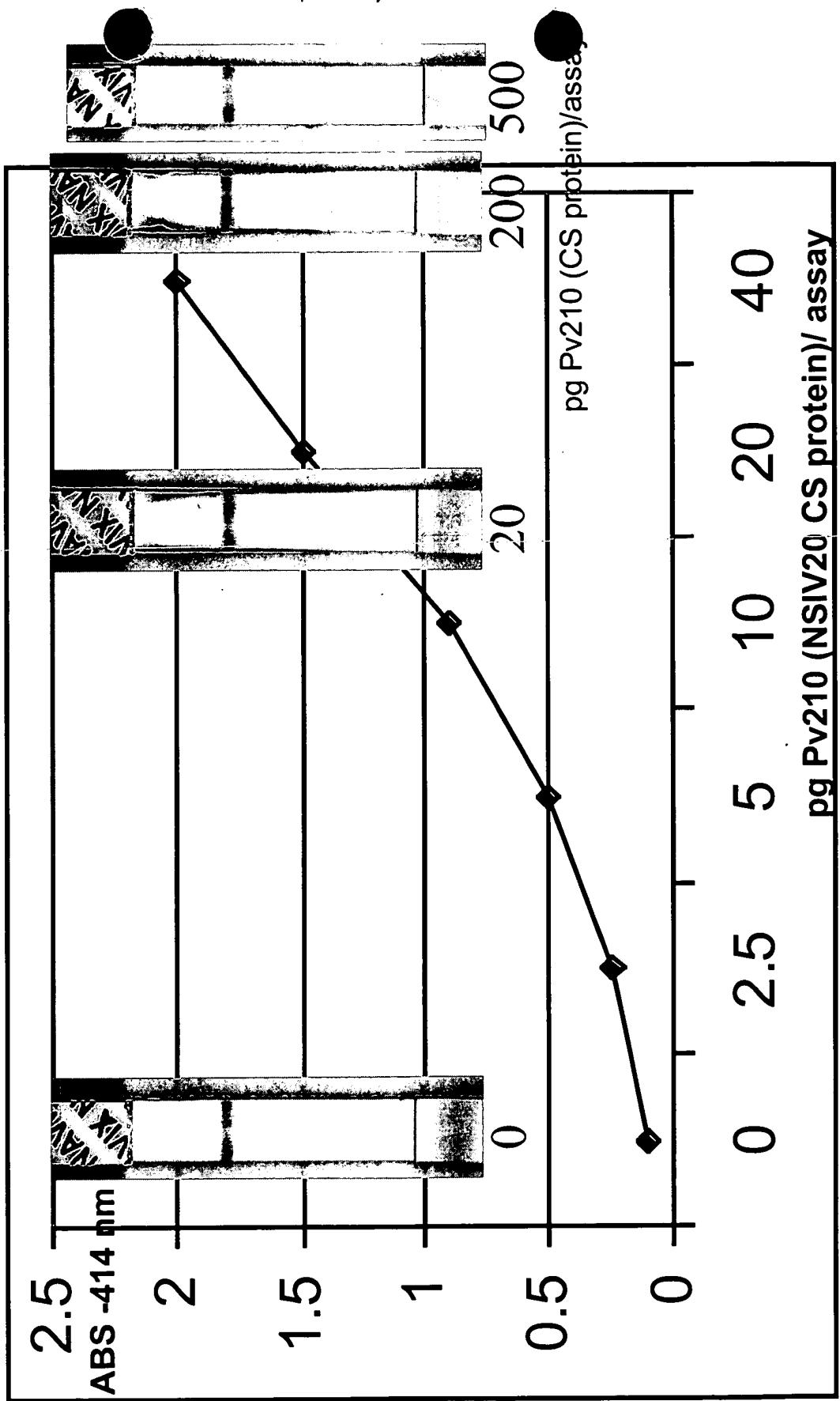
Figure 3:



Plasmodium falciparum CS Protein Detection
ELISA versus Dipstick: Figure 4

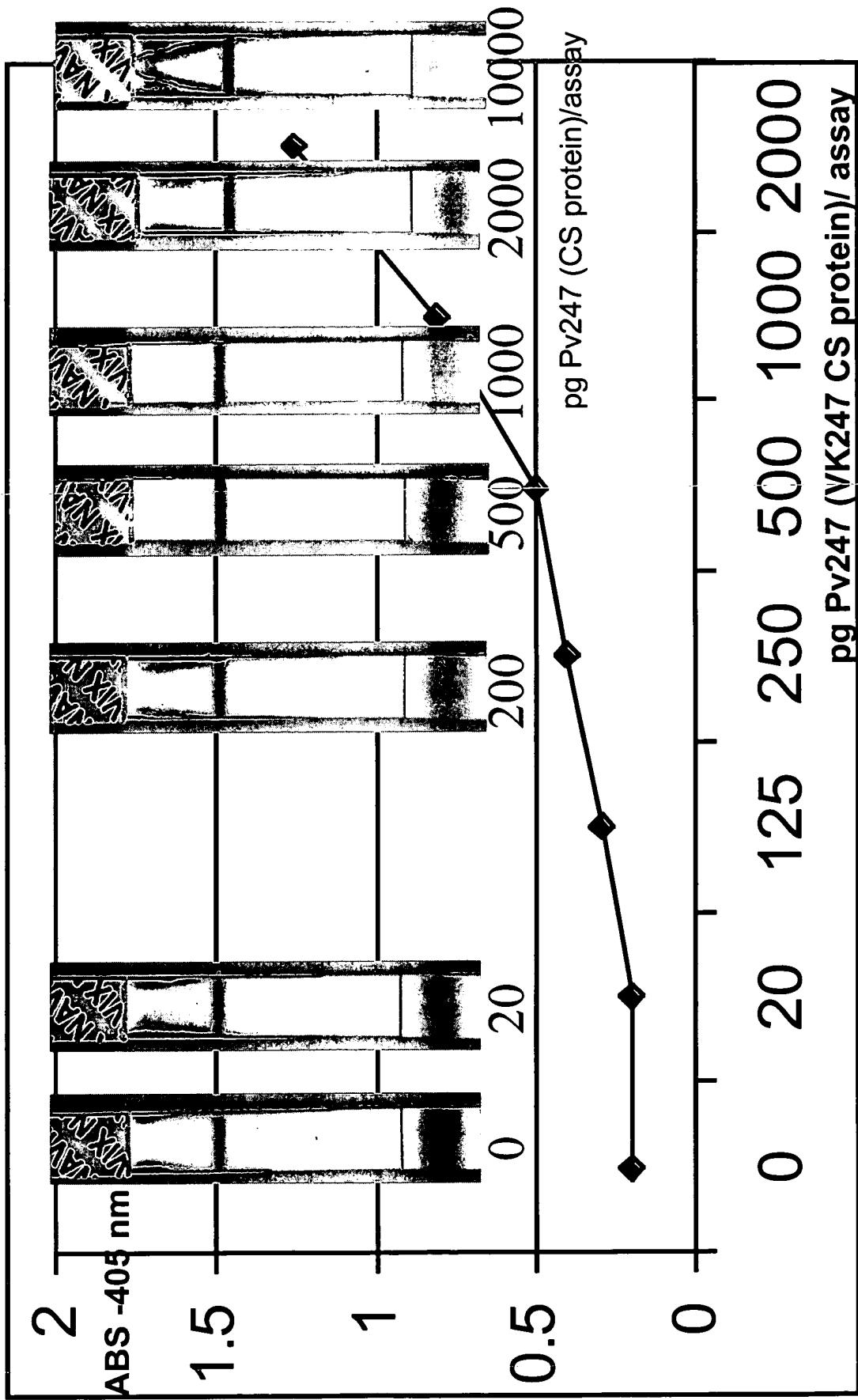


Plasmodium vivax 210 CS Protein Detection
ELISA versus Dipstick: Figure 5



Plasmodium vivax 247 CS Protein Detection

ELISA versus Dipstick: Figure 6

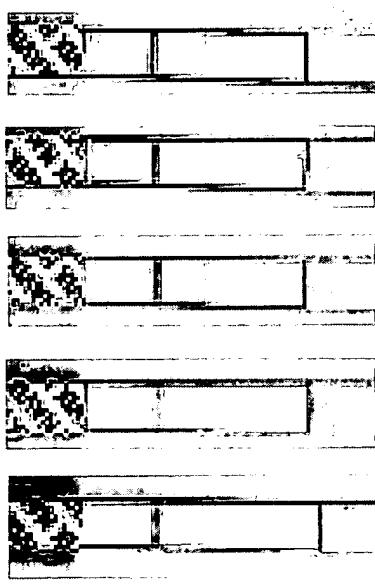


Panel Dipstick Detection of *Plasmodium* Sporozoites in Infected Mosquitoes: Figure 7

Mosquito (MQ) extract:

Pf infected mosquitoes

1MQ, 1MQ, 2MQ, 3MQ, 5MQ



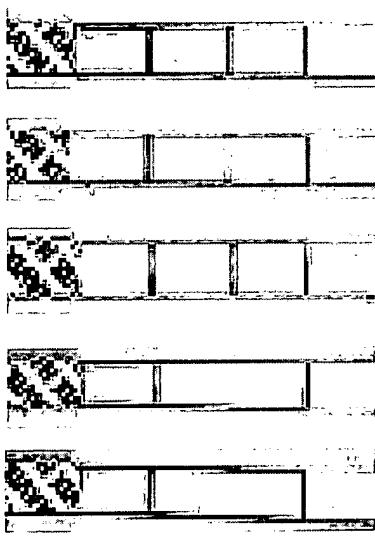
Pf sporozoites (ELISA result)

Sensitivity in ELISA:

~25-50 Pf sporozoites

Pv210 infected mosquitoes

1MQ, 1MQ, 2MQ, 3MQ, 5MQ



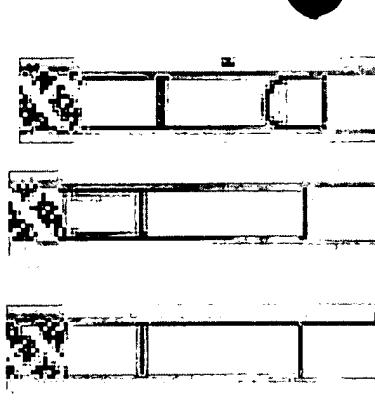
Pv210 sporozoites (ELISA result)

Sensitivity in ELISA:

~25-50 Pv210 sporozoites

Pv247 infected mosq.

1MQ, 3MQ, 5MQ



Pv247 sporozoites (ELISA result)

~50 Pv247 sporozoites